



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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### F20-120-C2

#### Description:

The F20-120-C2 is a single primary and dual secondary, split bobbin design which operates with an input of 115V. The secondaries are 10V @ 0.12A each. They can be used independently (up to 300V difference between them) or in series for double the voltage or in parallel for double the current. The split bobbin design eliminates the need for costly electrostatic shielding.

#### Electrical Specifications (@25C)

1. Maximum Power: 2.5VA
2. Primary: 115V, 50/60 Hz
3. Secondaries: 10.0V @ 0.12A each
4. Voltage Regulation: 25% TYP @ full load to no load
5. Temperature Rise: 25C TYP
6. Hipot tested 100% at 4200 VRMS pri to sec
7. Hipot tested 100% at 2160 VRMS sec to sec
8. Inherently Limited. No fusing required.

#### Construction:

Three flange bobbin construction with primaries and secondaries wound side by side for low capacitive coupling. UL Class F Insulation System (155°C).

#### Agency File:

UL: File E65390, UL 5085-1 & 3 (1585), Class 2 not wet / Class 3 wet Transformer  
cUL: File E65390, UL 5085-1 & 3 (1585) For Canadian Use (CSA 22.2, No.66.3-06)



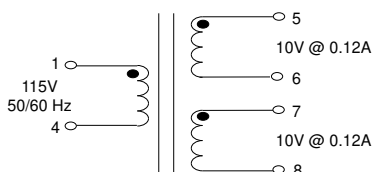
#### Max Dimensions:

Units in inches.

| H     | W     | L     | A     | B     | C     | D     | E     | F     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1.260 | 1.201 | 1.398 | 0.265 | 0.265 | 1.200 | 0.041 | 0.020 | 0.236 |

Weight: 0.25 lbs

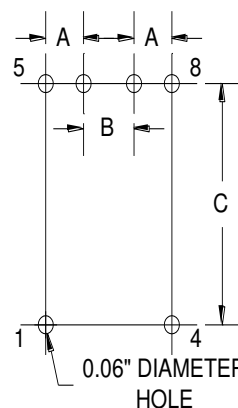
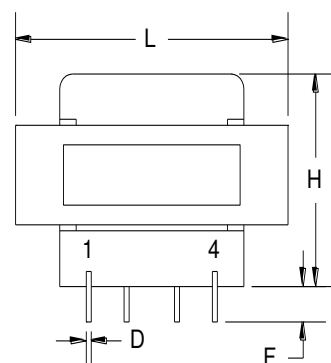
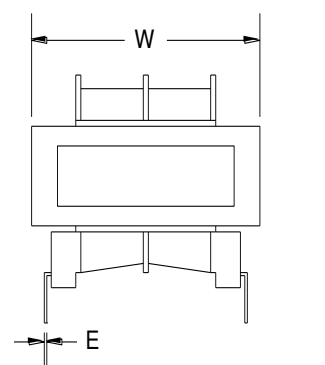
#### Schematic:



**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

**Note:** Order and shipping documentation may have a "-B" suffix; this indicates Bulk packaging but does not show on the actual part number marked on the transformer.

\*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetix website for the most current version. For soldering and washing information please see <http://www.triadmagnetics.com/faq.html>



**Board Layout**